(c) the likely cost escalation involved; and

(d) the details of monitoring system established to ensure timely completion of the project and also to review the quality of work progressively completed by the contractors?

THE MINISTER OF STATE IN THE MINISTRY OF SHIPPING, ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIAPPA): (a) and (b) The Golden Quadrilateral is likely to be completed substantially by December 2005. Problems encountered in implementation of the project include:

(i) Delay in land acquisition and shifting of utilities

(ii) Delay in environmental/forest clearances

(iii) Slow mobilization, tardy implementation and poor performance of some contractors

(iv) Delay in clearances for Road Over Bridges from Ministry of Railways

(v) Quarry problems

(vi) Law and order problems in some States

(c) The estimated cost of the Golden Quadrilateral is Rs. 25,055 crores. It is estimated that the actual expenditure will be within the estimated cost, allowing for escalation.

(d) The monitoring system established for timely completion and review of quality of work is as under:

(i) The contracts are supervised by reputed consultants.

(ii) The contracts are regularly monitored by the Project Directors in the field and officials of NHAI at Headquarter at various levels.

(iii) Quality audit is being carried out by an independent agency *i.e.* Engineers India Ltd. on identified stretches.

Upgradation of National Highways

421. SHRI TARIQ ANWAR: Will the Minister of SHIPPING, ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether it is a fact that Government propose to upgrade the country's National Highways;

(b) if so, the details thereof;

(c) the total cost which is likely to be incurred on this mega project; and

(d) the States which would be covered under this project?

THE MINISTER OF STATE IN THE MINISTRY OF SHIPPING, ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIAPPA): (a) to (d) The National Highways Authority of India (NHAI) has been mandated to develop about 14,000 km of National Highways under National Highways Development Project (NHDP) Phase-I and Phase-II. The financial plan is as under:

Particulars	Approved Cost (Rs. in crore)
NHDP Phase I	30,300.00 (at 1999 prices)
NHDP Phase II	34,339.00 (at 2002 prices)

NHDP Phase-I includes mainly the Golden Quadrilateral connecting four metropolitan cities of Delhi-Mumbai-Chennai-Kolkata and Phase-II includes North-South and East-West Corridors connecting Srinagar to Kanniakumari and Silchar to Porbandar.

The State-wise details of Highways to be covered under the Project is enclosed as Statement.

Statement

State-wise details of National Highway Development Project Phase-I & Phase II-Golden Quadrilateral (GQ), North-South & East-West Corridors including Port Connectivity (PC)

(All Figures are in km)

Sl. No.	State	North South Corridor	East West Corridor	GQ	PC	Other Project	Total
1	2	3	4	5	6	7	8
1	Andhra Pradesh	763		1016	12	83	1874
2	Arunachal Pradesh						

1	2	3					4
3	Assam		732				732
4	Bihar		511	206			717
5	Chandigarh						
6	Chhattisgarh					18	18
7	Delhi	21		25		10	56
8	Goa				13		13
9	Gujarat		634	485	56		1175
10	Haryana	183		152		18	353
11	Himachal Pradesh	11					11
12	Jammu & Kashmir	448					448
13	Jharkhand			192			192
14	Karnataka	92		623	37		752
15	Kerala	168			10		178
16	Madhya Pradesh	547	110				657
17	Maharashtra	276		488	44	17	825
18	Manipur						
19	Meghalaya						
20	Mizoram						
21	Nagaland						
22	Orissa			444	77		521
23	Pondicherry						
24	Punjab	270				20	290
25	Rajasthan	30	526	722			1278
26	Sikkim						
27	Tamil Nadu	772		342	54	463	1631
28	Tripura						
29	Uttar Pradesh	202	647	753		148	1750
30	Uttaranchal						
31	West Bengal		331	398	53		782
	Total	**3783**	**3491**	**5846**	**356**	**777**	**14253**